

# WEST Search History

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DATE: Tuesday, September 12, 2006

| Hide?                    | Set Name | Query                                                                                     | Hit Count |
|--------------------------|----------|-------------------------------------------------------------------------------------------|-----------|
|                          |          | <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>                            |           |
| <input type="checkbox"/> | L110     | L108 and parameter\$1                                                                     | 0         |
| <input type="checkbox"/> | L109     | L108 and reward\$1                                                                        | 0         |
| <input type="checkbox"/> | L108     | L107 and (garbage near5 collection)                                                       | 14        |
| <input type="checkbox"/> | L107     | 6070173 .uref.                                                                            | 23        |
| <input type="checkbox"/> | L106     | L105 and (memory near5 allocat\$3)                                                        | 7         |
| <input type="checkbox"/> | L105     | (garbage and collection and virtual).ti. and @py<=2003                                    | 20        |
| <input type="checkbox"/> | L104     | 5369732 .uref.                                                                            | 4         |
| <input type="checkbox"/> | L103     | L101 and preset                                                                           | 0         |
| <input type="checkbox"/> | L102     | L101 and (preset near5 value\$1)                                                          | 0         |
| <input type="checkbox"/> | L101     | L100 and (adjust\$3 near5 memory)                                                         | 7         |
| <input type="checkbox"/> | L100     | l98 and algorithm\$1                                                                      | 19        |
| <input type="checkbox"/> | L99      | L98 and (virtual near5 machine)                                                           | 5         |
| <input type="checkbox"/> | L98      | (garbage near5 collection) and ((new near5 state) same memory) and @py<=2003              | 32        |
| <input type="checkbox"/> | L97      | L95 and ((new near5 state) same memory)                                                   | 0         |
| <input type="checkbox"/> | L96      | L95 and (measur\$3 near5 system)                                                          | 0         |
| <input type="checkbox"/> | L95      | L92 and PARAMETER\$1                                                                      | 19        |
| <input type="checkbox"/> | L94      | L92 and (calculat\$3 same measur\$3)                                                      | 0         |
| <input type="checkbox"/> | L93      | L92 and (reward near5 value)                                                              | 0         |
| <input type="checkbox"/> | L92      | L90 and fragment\$4                                                                       | 20        |
| <input type="checkbox"/> | L91      | L90 and (degree near5 fragmentation)                                                      | 0         |
| <input type="checkbox"/> | L90      | L89 and (virtual near5 machine)                                                           | 27        |
| <input type="checkbox"/> | L89      | L88 and (memory near5 space)                                                              | 98        |
| <input type="checkbox"/> | L88      | L87 and (memory near5 allocat\$4)                                                         | 235       |
| <input type="checkbox"/> | L87      | (memory and management and garbage and collect\$4 and learn\$3 and process) and @py<=2003 | 404       |
| <input type="checkbox"/> | L86      | L84 and (reward near5 value)                                                              | 0         |
| <input type="checkbox"/> | L85      | L84 and (optimum near5 collection)                                                        | 0         |
| <input type="checkbox"/> | L84      | L80 and (allocat\$4 near5 memory)                                                         | 37        |
| <input type="checkbox"/> | L83      | L80 and (state near5 action\$1)                                                           | 0         |
| <input type="checkbox"/> | L82      | L81 and (state near5 action\$1)                                                           | 0         |

|                          |     |                                                                                                                                         |     |
|--------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------|-----|
| <input type="checkbox"/> | L81 | L80 and (applicatiionnear5 parameter\$1)                                                                                                | 0   |
| <input type="checkbox"/> | L80 | L79 and (execut\$3 near5 application\$1)                                                                                                | 40  |
| <input type="checkbox"/> | L79 | (memory near5 space) and (memory near5 fragmentation) and (garbage near5 collection) and @py<=2003                                      | 82  |
| <input type="checkbox"/> | L78 | L77 and memory                                                                                                                          | 6   |
| <input type="checkbox"/> | L77 | sarsa                                                                                                                                   | 27  |
| <input type="checkbox"/> | L76 | (sarsa near5 algorithm\$1) and @py<=2004                                                                                                | 1   |
| <input type="checkbox"/> | L75 | (sarsa near5 algorithm\$1) and @py<=2003                                                                                                | 0   |
| <input type="checkbox"/> | L74 | L73 and (preset near5 value\$1)                                                                                                         | 0   |
| <input type="checkbox"/> | L73 | L72 and (memory near5 space)                                                                                                            | 11  |
| <input type="checkbox"/> | L72 | (garbage near5 collect\$4) and (fragmentation near5 memory) and parameter\$1 and event\$1 and (system near5 parameter\$1) and @py<=2003 | 12  |
| <input type="checkbox"/> | L71 | L70 and fragmentation                                                                                                                   | 0   |
| <input type="checkbox"/> | L70 | l56 and (calculat\$3 near5 memory)                                                                                                      | 10  |
| <input type="checkbox"/> | L69 | L68 and (memory near5 space)                                                                                                            | 0   |
| <input type="checkbox"/> | L68 | L67 and (reward near5 value)                                                                                                            | 7   |
| <input type="checkbox"/> | L67 | (garbage and collect\$3 and reward and calculat\$3) and @py<=2003                                                                       | 51  |
| <input type="checkbox"/> | L66 | L63 and java                                                                                                                            | 3   |
| <input type="checkbox"/> | L65 | L64 and memory                                                                                                                          | 7   |
| <input type="checkbox"/> | L64 | L63 and (expert near5 system)                                                                                                           | 7   |
| <input type="checkbox"/> | L63 | (markov decision processes)                                                                                                             | 85  |
| <input type="checkbox"/> | L62 | L59 and (markov decision processes)                                                                                                     | 0   |
| <input type="checkbox"/> | L61 | L59 and (learn\$3 near5 method\$1)                                                                                                      | 1   |
| <input type="checkbox"/> | L60 | L59 and reinforcement                                                                                                                   | 0   |
| <input type="checkbox"/> | L59 | L58 and algorithms                                                                                                                      | 94  |
| <input type="checkbox"/> | L58 | (expert and system and java and virtual and machine and garbage and collection and memory) and @py<=2003                                | 105 |
| <input type="checkbox"/> | L57 | (machine near5 learn\$3) and (virtual machine) and dynamic and garbage and collection and @py<=2003                                     | 6   |
| <input type="checkbox"/> | L56 | (garbage and memory and management and virtual and java and machine and storage and analy\$5 and run and time) and @py<=2002            | 162 |
| <input type="checkbox"/> | L55 | L54 and java                                                                                                                            | 0   |
| <input type="checkbox"/> | L54 | L53 and (garbage near5 collect\$3)                                                                                                      | 5   |
| <input type="checkbox"/> | L53 | reinforcement and technique and memory and management and @py<=2002                                                                     | 321 |
| <input type="checkbox"/> | L52 | reinforcement and technique and memory and management and @py<=2003                                                                     | 479 |
| <input type="checkbox"/> | L51 | (java) same (virtual machine) and reinforcement and @py<=2002                                                                           | 1   |
| <input type="checkbox"/> | L50 | L49 and reinforcement                                                                                                                   | 0   |
| <input type="checkbox"/> | L49 | L48 and ((run near5 time) same (stor\$3))                                                                                               | 13  |
| <input type="checkbox"/> | L48 | L46 and algorithm\$1                                                                                                                    | 13  |

|                          |     |                                                                                                                                                                                                    |     |
|--------------------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| <input type="checkbox"/> | L47 | L46 and temporal                                                                                                                                                                                   | 0   |
| <input type="checkbox"/> | L46 | L45 and (decision near5 process\$3)                                                                                                                                                                | 13  |
| <input type="checkbox"/> | L45 | (java virtual machine) and (run near5 time) and (garbage near5 collection) and @py<=2002                                                                                                           | 121 |
| <input type="checkbox"/> | L44 | L42 and garbage                                                                                                                                                                                    | 2   |
| <input type="checkbox"/> | L43 | L42 and java                                                                                                                                                                                       | 3   |
| <input type="checkbox"/> | L42 | sarsa                                                                                                                                                                                              | 27  |
| <input type="checkbox"/> | L41 | sarsa and coding                                                                                                                                                                                   | 1   |
| <input type="checkbox"/> | L40 | (run near5 time) and execution and application\$1 and (memory near5 space) and (memory near5 management) and (garbage near5 collection) and (virtual near5 machine) and java and jvm and @py<=2002 | 0   |
| <input type="checkbox"/> | L39 | L38 and (garbage near5 collection)                                                                                                                                                                 | 2   |
| <input type="checkbox"/> | L38 | (memory and management and java).ti. and @py<=2002                                                                                                                                                 | 7   |
| <input type="checkbox"/> | L37 | (memory and management and java).ti. and @py<=2002                                                                                                                                                 | 0   |
| <input type="checkbox"/> | L36 | L33 and greedy                                                                                                                                                                                     | 0   |
| <input type="checkbox"/> | L35 | L33 and sarsa                                                                                                                                                                                      | 0   |
| <input type="checkbox"/> | L34 | L33 and reinforcement                                                                                                                                                                              | 0   |
| <input type="checkbox"/> | L33 | (java and virtual and machine and runtime and storage and execution and application\$1 and temporal and memory and management and garbage and collection and algorithm\$1) and @py<=2002           | 18  |
| <input type="checkbox"/> | L32 | L31 and virtual and machine                                                                                                                                                                        | 3   |
| <input type="checkbox"/> | L31 | L30 and java                                                                                                                                                                                       | 6   |
| <input type="checkbox"/> | L30 | L29 and (memory near5 management)                                                                                                                                                                  | 7   |
| <input type="checkbox"/> | L29 | (garbage near5 collection) and (greedy near5 algorithm\$1)                                                                                                                                         | 24  |
| <input type="checkbox"/> | L28 | L19 and (greedy near5 algorithm)                                                                                                                                                                   | 0   |
| <input type="checkbox"/> | L27 | L19 and markov                                                                                                                                                                                     | 0   |
| <input type="checkbox"/> | L26 | L19 and (markov decision)                                                                                                                                                                          | 0   |
| <input type="checkbox"/> | L25 | L19 and (markov decision processes)                                                                                                                                                                | 0   |
| <input type="checkbox"/> | L24 | L19 and (markov decision processes)                                                                                                                                                                | 0   |
| <input type="checkbox"/> | L23 | L19 and (Q\$function)                                                                                                                                                                              | 0   |
| <input type="checkbox"/> | L22 | L19 and reinforcement                                                                                                                                                                              | 0   |
| <input type="checkbox"/> | L21 | L19 and reinforcement and learn\$3                                                                                                                                                                 | 0   |
| <input type="checkbox"/> | L20 | L19 and (reinforcement near5 learn\$3)                                                                                                                                                             | 0   |
| <input type="checkbox"/> | L19 | (garbage and collection and memory and management).ti. and @py<=2002                                                                                                                               | 17  |
| <input type="checkbox"/> | L18 | (reinforcement near5 learn\$3) and (garbage near5 collection)                                                                                                                                      | 8   |
| <input type="checkbox"/> | L17 | (reinforcement near5 learn\$3) and (java virtual machine)                                                                                                                                          | 3   |
| <input type="checkbox"/> | L16 | L15 and reinforcement                                                                                                                                                                              | 0   |
| <input type="checkbox"/> | L15 | L14 and ((jvm) or (java virtual machine))                                                                                                                                                          | 245 |
| <input type="checkbox"/> | L14 | (java and (virtual near5 machine) and memory and garbage and collection) and                                                                                                                       | 332 |

|                          |     |                                                                                                                     |    |
|--------------------------|-----|---------------------------------------------------------------------------------------------------------------------|----|
|                          |     | @py<=2002                                                                                                           |    |
| <input type="checkbox"/> | L13 | (java and (virtual near5 machine) and memory and reinforcement and garbage and collection) and @py<=2002            | 0  |
| <input type="checkbox"/> | L12 | (java and (virtual near5 machine) and memory and garbage and collectiion) and @py<=2002                             | 0  |
| <input type="checkbox"/> | L11 | (java and (virtual near5 machine) and memory and reinforcement and garbage and collectiion) and @py<=2002           | 0  |
| <input type="checkbox"/> | L10 | (java and (virtual near5 machine) and memory and reinforcement and learning and management and space) and @py<=2002 | 1  |
| <input type="checkbox"/> | L9  | sarsa algorithm                                                                                                     | 2  |
|                          |     | <i>DB=EPAB; PLUR=YES; OP=ADJ</i>                                                                                    |    |
| <input type="checkbox"/> | L8  | EP-991998-A1.did.                                                                                                   | 0  |
| <input type="checkbox"/> | L7  | WO-9900732-A1.did.                                                                                                  | 0  |
|                          |     | <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>                                                      |    |
| <input type="checkbox"/> | L6  | (virtual and machine and garbage and memory).ti.                                                                    | 4  |
| <input type="checkbox"/> | L5  | L1 and (garbage near5 collection)                                                                                   | 4  |
|                          |     | <i>DB=PGPB; PLUR=YES; OP=ADJ</i>                                                                                    |    |
| <input type="checkbox"/> | L4  | US-20040073764-A1.did.                                                                                              | 1  |
| <input type="checkbox"/> | L3  | US-20040073764-A1.did.                                                                                              | 1  |
|                          |     | <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>                                                      |    |
| <input type="checkbox"/> | L2  | L1 and reinforcement and memory                                                                                     | 1  |
| <input type="checkbox"/> | L1  | (virtual and machine and memory and management).ti.                                                                 | 23 |

END OF SEARCH HISTORY

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|--------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------|
|                          |                           | <i>DB=PGPB; PLUR=YES; OP=ADJ</i>                                                                                        |                            |
| <input type="checkbox"/> | L21                       | (garbage and collection and memory and value and system and application and virtual and space and event\$1).clm.        | 0                          |
| <input type="checkbox"/> | L20                       | (garbage and collection and memory and value and system and application and virtual and space).clm.                     | 1                          |
| <input type="checkbox"/> | L19                       | (garbage and collection and memory and value and system and application and virtual and machine and fragment\$5).clm.   | 0                          |
| <input type="checkbox"/> | L18                       | (garbage and collection and memory and value and system and application and virtual and machine).clm.                   | 2                          |
| <input type="checkbox"/> | L17                       | (garbage and collection and memory and value and system and application and virtual).clm.                               | 2                          |
| <input type="checkbox"/> | L16                       | (garbage and collection and memory and value and system and application and parameter\$1 and event\$1 and virtual).clm. | 0                          |
| <input type="checkbox"/> | L15                       | (garbage and collection and memory and value and system and application and parameter\$1 and event\$1).clm.             | 1                          |
| <input type="checkbox"/> | L14                       | (garbage and collection and memory and value and system and application and parameter\$1).clm.                          | 1                          |
| <input type="checkbox"/> | L13                       | (garbage and collection and memory and value and system and application).clm.                                           | 9                          |
| <input type="checkbox"/> | L12                       | (garbage and collection and memory and value and system).clm.                                                           | 48                         |
| <input type="checkbox"/> | L11                       | (garbage and collection and memory and value).clm.                                                                      | 59                         |
| <input type="checkbox"/> | L10                       | (garbage and collection and memory and preset).clm.                                                                     | 0                          |
| <input type="checkbox"/> | L9                        | (garbage and collection and memory and parameter\$1 and value\$1 and state and measur\$3).clm.                          | 0                          |
| <input type="checkbox"/> | L8                        | (garbage and collection and memory and parameter\$1 and value\$1 and state).clm.                                        | 3                          |
| <input type="checkbox"/> | L7                        | (garbage and collection and memory and parameter\$1 and value\$1 and space).clm.                                        | 1                          |
| <input type="checkbox"/> | L6                        | (garbage and collection and memory and parameter\$1 and value\$1 and calculat\$3).clm.                                  | 1                          |
| <input type="checkbox"/> | L5                        | (garbage and collection and memory and parameter\$1 and value\$1).clm.                                                  | 6                          |
| <input type="checkbox"/> | L4                        | (garbage and collection and memory and parameter\$1).clm.                                                               | 18                         |
| <input type="checkbox"/> | L3                        | (garbage and collection and memory and reinforcement).clm.                                                              | 1                          |
| <input type="checkbox"/> | L2                        | (garbage and collection and memory).clm.                                                                                | 198                        |
| <input type="checkbox"/> | L1                        | (memory and management and allocation and event\$1 space).clm.                                                          | 0                          |

## RESULT LIST

Approximately **266** results found in the Worldwide database for:  
**garbage** in the title AND **memory** in the title or abstract  
(Results are sorted by date of upload in database)

- 1 Apparatus and method for garbage collection**  
Inventor: JUNG IM-YOUNG (KR); SUNG-IK JUN (KR); (+1)  
Applicant: KOREA ELECTRONICS TELECOMM (KR)  
EC: IPC: **G06F12/02; G06F12/02**  
Publication info: **GB2423172** - 2006-08-16
- 2 Identification of false ambiguous roots in a stack conservative garbage collector**  
Inventor: LEE ROBERT (US); SEXTON HARLAN (US); (+1)  
Applicant: ORACLE INT CORP (US)  
EC: IPC: **G06F17/30; G06F17/30**  
Publication info: **US2006173897** - 2006-08-03
- 3 Garbage collection and compaction**  
Inventor: YIN BAOLIN (CN); LUEH GUEI-YUAN (US); (+2)  
Applicant:  
EC: IPC: **G06F17/30; G06F17/30**  
Publication info: **US2006173939** - 2006-08-03
- 4 APPLICATION PROCESSING DEVICE, GARBAGE COLLECTION EXECUTION METHOD, STORAGE AREA MANAGEMENT METHOD AND GARBAGE COLLECTION EXECUTION PROGRAM**  
Inventor: MAEDA SHINJI  
Applicant: MITSUBISHI ELECTRIC CORP  
EC: IPC: **G06F12/00; G06F12/02; G06F12/00 (+1)**  
Publication info: **JP2006134136** - 2006-05-25
- 5 STORAGE AREA MANAGEMENT METHOD, STORAGE AREA ALLOCATION PROGRAM, GARBAGE COLLECTION PROCESSING PROGRAM, STORAGE AREA MANAGEMENT PROGRAM, AND MESSAGE MANAGEMENT PROGRAM**  
Inventor: KUZE TOSHIYUKI  
Applicant: MITSUBISHI ELECTRIC CORP  
EC: IPC: **G06F12/02; G06F9/54; G06F15/167 (+3)**  
Publication info: **JP2006126973** - 2006-05-18
- 6 Compact garbage collection tables**  
Inventor: TARDITI DAVID R (US)  
Applicant: MICROSOFT CORP (US)  
EC: IPC: **G06F17/30; G06F17/30**  
Publication info: **US7085789** - 2006-08-01
- 7 System and method for concurrent compacting self pacing garbage collection using loaded value and access barriers**  
Inventor: TENE GIL (US); WOLF MICHAEL A (US)  
Applicant: AZUL SYSTEMS INC (US)  
EC: IPC: **G06F17/30; G06F17/30**  
Publication info: **US2006155791** - 2006-07-13
- 8 GARBAGE COLLECTION SYSTEM**  
Inventor: IMANISHI YUKO (JP); DOI SHIGENORI (JP)  
Applicant: MATSUSHITA ELECTRIC IND CO LTD (JP)  
EC: **G06F12/02D2G4** IPC: **G06F12/02; G06F12/02; (IPC1-7): G06F12/00 (+1)**  
Publication info: **EP1659496** - 2006-05-24
- 9 System and method for performing garbage collection based on unmanaged memory allocations**  
Inventor: DUSSUD PATRICK H (US); GEORGE CHRISTOPHER S (US); (+1)  
Applicant: MICROSOFT CORP (US)  
EC: IPC: **G06F17/30; G06F17/30**

Publication info: **US2006085494** - 2006-04-20

**10 Garbage collection for shared data entities**

Inventor: KUCK NORBERT (DE); SCHMIDT OLIVER  
(DE); (+2)

EC:

Applicant:

IPC: **G06F9/44; G06F9/44**

Publication info: **US2006059453** - 2006-03-16

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## RESULT LIST

Approximately **266** results found in the Worldwide database for:  
**garbage** in the title AND **memory** in the title or abstract  
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- 11 GENERATIONAL GARBAGE COLLECTION METHOD AND  
GENERATIONAL GARBAGE COLLECTION PROGRAM**  
Inventor: KUROMUSHIYA KENICHI      Applicant: APLIX CORP  
EC:      IPC: **G06F12/00; G06F12/00**  
Publication info: **JP2006039877** - 2006-02-09
- 12 GARBAGE DISPOSER**  
Inventor: MATSUBARA YOSHIHIKO      Applicant: SHARP KK  
EC:      IPC: **B09B3/00; B01F7/00; G06K17/00 (+5)**  
Publication info: **JP2006035032** - 2006-02-09
- 13 CONTROL DEVICE OF AUTOMATIC CRANE FOR GARBAGE DISPOSAL  
PLANT**  
Inventor: MURAKAMI SUSUMU; KUSANO TOMOYUKI      Applicant: HITACHI KIDEN KOGYO KK  
EC:      IPC: **B65F5/00; B66C13/48; G01F23/28 (+3)**  
Publication info: **JP2006027783** - 2006-02-02
- 14 CONTROL DEVICE OF AUTOMATIC CRANE FOR GARBAGE DISPOSAL  
PLANT**  
Inventor: MURAKAMI SUSUMU; KUSANO TOMOYUKI;      Applicant: HITACHI KIDEN KOGYO KK  
(+1)  
EC:      IPC: **B65F5/00; B66C13/48; G01F23/28 (+3)**  
Publication info: **JP2006027779** - 2006-02-02
- 15 Assigning sections within a memory heap for efficient garbage  
collection of large objects**  
Inventor: BLANDY GEOFFREY O (US)      Applicant: IBM (US)  
EC: **G06F12/02D2G4**      IPC: **G06F12/00; G06F12/00; (IPC1-7): G06F12/00**  
Publication info: **US2005273567** - 2005-12-08
- 16 System and method for regeneration of methods and garbage  
collection of unused methods**  
Inventor: DAHLSTEDT JOAKIM (SE)      Applicant: BEA SYSTEMS INC (US)  
EC: **G06F12/02D2G**      IPC: **G06F12/02; G06F12/02; (IPC1-7): G06F17/30**  
Publication info: **US2005256913** - 2005-11-17
- 17 Process and system for real-time relocation of objects during garbage  
collection**  
Inventor: HEEB BEAT (CH)      Applicant:  
EC: **G06F9/445V; G06F9/45E3; (+2)**      IPC: **G06F9/445; G06F9/45; G06F9/445 (+2)**  
Publication info: **US2005198079** - 2005-09-08
- 18 GARBAGE TREATMENT MACHINE**  
Inventor: FUKUNAGA TAKESHI; MORIIZUMI MASAKI;      Applicant: SANYO ELECTRIC CO  
(+4)  
EC:      IPC: **F26B9/06; B09B3/00; F26B25/12 (+6)**  
Publication info: **JP2005238237** - 2005-09-08
- 19 GARBAGE COLLECTION FOR SMART CARDS**  
Inventor: TREGER JOERN (DE); PINZINGER ROBERT      Applicant: GIESECKE & DEVRIENT GMBH (DE); TREGER  
(DE)      JOERN (DE); (+1)  
EC:      IPC: **G06F12/02; G06F12/02; (IPC1-7): G06F12/02**  
Publication info: **WO2005093580** - 2005-10-06
- 20 ADAPTIVE GARBAGE COLLECTION METHOD AND DEVICE FOR**



# **IMPLEMENTING THIS METHOD**

**Inventor:** CHUNG SEUNG-BUM; ROMANOVSKI ALEXEI; **Applicant:** SAMSUNG ELECTRONICS CO LTD  
(+4)

**EC:** G06F12/02D2G4G

**IPC:** G06F12/00; G06F9/44; G06F12/02 (+5)

**Publication info:** JP2005216298 - 2005-08-11

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### 31 CONTROL DEVICE FOR GARBAGE TREATMENT MACHINE

Inventor: SAITOU YOSHITAKA; UWABE SHIGERU

Applicant: HITACHI HOME TEC LTD

EC:

IPC: **F26B9/06; B09B3/00; F26B21/10** (+8)

Publication info: **JP2005177561** - 2005-07-07

### 32 GARBAGE TREATMENT APPARATUS

Inventor: NAKAI SATOSHI; YONEDA ISAO; (+1)

Applicant: SANYO ELECTRIC CO

EC:

IPC: **F26B3/347; B02C21/00; B02C25/00** (+18)

Publication info: **JP2005103414** - 2005-04-21

### 33 Conditional garbage based on monitoring to improve real time performance

Inventor: CHAUVEL GERARD (FR)

Applicant: TEXAS INSTRUMENTS INC (US)

EC:

IPC: **G06F12/00; G06F12/00**; (IPC1-7): G06F12/00

Publication info: **US2004024798** - 2004-02-05

### 34 Conditional garbage collection based on monitoring to improve real time performance

Inventor: CHAUVEL GERARD (FR)

Applicant: TEXAS INSTRUMENTS INC (US); TEXAS INSTRUMENTS FRANCE (FR)

EC: G06F9/30R; G06F9/30R4S

IPC: **G06F9/30; G06F9/318; G06F9/32** (+4)

Publication info: **EP1387273** - 2004-02-04

### 35 Depth counter used to reduce number of items to consider for loop detection in a reference-counting garbage collector

Inventor: LEWIS RUSSELL L (US)

Applicant: IBM (US)

EC:

IPC: **G06F17/30; G06F17/30**; (IPC1-7): G06F17/30

Publication info: **US2005015417** - 2005-01-20

### 36 Garbage collection

Inventor: HAYWARD ANDREW (GB)

Applicant:

EC: G06F12/02D2G

IPC: **G06F12/00; G06F12/02; G06F12/00** (+2)

Publication info: **US2003187888** - 2003-10-02

### 37 Non-zero null reference to speed up write barrier checking for garbage collection

Inventor: THOMAS STEPHEN (GB)

Applicant:

EC: G06F12/02D2G4

IPC: **G06F12/02; G06F12/02**; (IPC1-7): G06K9/00

Publication info: **US2003169920** - 2003-09-11

### 38 GARBAGE COLLECTION METHOD AND COMPILATION METHOD

Inventor: CHIBA YUJI

Applicant: HITACHI LTD

EC:

IPC: **G06F12/00; G06F9/45; G06F9/46** (+6)

Publication info: **JP2004287870** - 2004-10-14

### 39 Conservative garbage collectors that can be used with general memory allocators

Inventor: RODRIGUEZ-RIVERA GUSTAVO (US); SPERTUS MICHAEL P (US); (+1)

Applicant:

EC: G06F12/02D2G

IPC: **G06F12/02; G06F12/02**; (IPC1-7): G06F12/00

Publication info: **US2004139272** - 2004-07-15

### 40 Optimization of memory usage based on garbage collection simulation

Inventor: COHA JOSEPH A (US); KARKARE ASHISH (US); (+1)

Applicant: HEWLETT PACKARD CO (US)

EC: G06F11/34S

IPC: G06F11/28; G06F9/44; G06F9/46 (+14)

Publication info: EP1349077 - 2003-10-01

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(Results are sorted by date of upload in database)

- 41 Execution of modified cheney scanning in a multithreaded processing environment**  
Inventor: HUDSON RICHARD L (US); WANG HONG (US)      Applicant:  
EC: G06F12/02D2G4; G06F12/08B4T      IPC: (IPC1-7): G06F12/00  
Publication info: **US2004122876** - 2004-06-24
- 42 GARBAGE DISPOSER**  
Inventor: OYA TERUMITSU      Applicant: YANMAR AGRICULT EQUIP  
EC:      IPC: **B09B3/00; C05F9/02; H04Q9/00** (+8)  
Publication info: **JP2004195411** - 2004-07-15
- 43 Measuring maximum memory requirement of an application at any point through continuous use of garbage collector**  
Inventor: SAYAG MOSHE (IL)      Applicant:  
EC: G06F11/34C; G06F11/34T; (+1)      IPC: **G06F11/34; G06F12/02; G06F11/34** (+2)  
Publication info: **US2003200409** - 2003-10-23
- 44 Measuring the exact memory requirement of an application through intensive use of garbage collector**  
Inventor: SAYAG MOSHE (IL)      Applicant:  
EC: G06F11/34C; G06F12/02D2G      IPC: **G06F11/34; G06F12/02; G06F11/34** (+2)  
Publication info: **US2003200530** - 2003-10-23
- 45 Combining external and intragenerational reference-processing in a garbage collector based on the train algorithm**  
Inventor: GARTHWAITE ALEXANDER T (US)      Applicant:  
EC: G06F12/02D2G4G      IPC: (IPC1-7): G06F12/00  
Publication info: **US2004111447** - 2004-06-10
- 46 GARBAGE DISPOSAL MACHINE, METHOD AND APPARATUS FOR TABULATING OPERATION TRACK RECORD VALUE OF THE GARBAGE DISPOSAL MACHINE**  
Inventor: KITAGUCHI ATSUSHI; TAKISHITA YOSHIHIKO; (+2)      Applicant: HITACHI CONSTRUCTION MACHINERY  
EC:      IPC: **B09B3/00; G06Q50/00; B09B3/00** (+3)  
Publication info: **JP2004167341** - 2004-06-17
- 47 Method and system for concurrent garbage collection**  
Inventor: DUSSUD PATRICK H (US)      Applicant: MICROSOFT CORP (US)  
EC: G06F12/02D2G4      IPC: **G06F12/00; G06F12/02; G06F17/30** (+4)  
Publication info: **US2003069905** - 2003-04-10
- 48 Lock-free overflow strategy for work stealing**  
Inventor: GARTHWAITE ALEXANDER T (US); FLOOD CHRISTINE H (US); (+1)      Applicant:  
EC: G06F12/02D2G4G      IPC: (IPC1-7): G06F12/00; G06F17/30  
Publication info: **US2004088702** - 2004-05-06
- 49 GARBAGE DISPOSER**  
Inventor: KOBAYASHI NOBUSHIGE; YAMAYA HIROO; (+3)      Applicant: MK SEIKO CO LTD  
EC:      IPC: **H05B6/64; B01J19/12; B09B3/00** (+18)  
Publication info: **JP2004081992** - 2004-03-18
- 50 A METHOD FOR USING NON-TEMPORAL STREAMING STORES TO**

# **IMPROVE GARBAGE COLLECTION ALGORITHM**

**Inventor:** SUBRAMONEY SREENIVAS; HUDSON  
RICHARD L

**Applicant:** INTEL CORP (US)

**EC:** G06F12/02D2G; G06F12/08B18

**IPC:** *G06F12/02; G06F12/08; G06F12/02* (+2)

**Publication info:** **WO02103527** - 2002-12-27

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### 51 METHOD OF CHANGING OPERATION PROGRAM OF GARBAGE COLLECTING VEHICLE

Inventor: MABASHI TOSHIYUKI

Applicant: FUJI HEAVY IND LTD

EC:

IPC: **B60P3/00; B65F3/00; G06F11/00** (+5)

Publication info: **JP2004010235** - 2004-01-15

### 52 DEVICE AND METHOD OF GARBAGE COLLECTION

Inventor: YOSHIDA TAKEHIRO; KAWAMOTO TAKUJI

Applicant: MATSUSHITA ELECTRIC IND CO LTD

EC:

IPC: **G06F12/00; G06F12/00**; (IPC1-7): G06F12/00

Publication info: **JP2003050740** - 2003-02-21

### 53 INSTANCE REDUCTION ALGORITHM FOR GARBAGE-COLLECTED LANGUAGE

Inventor: CHAPPELL THOMAS

Applicant: CIT ALCATEL

EC: G06F12/02D2G

IPC: **G06F12/00; G06F9/44; G06F12/02** (+5)

Publication info: **JP2003022213** - 2003-01-24

### 54 CONTROL METHOD FOR GARBAGE DISPOSER

Inventor: NAKANO OSAMU; HARADA MASAKI; (+1)

Applicant: SANYO ELECTRIC CO

EC:

IPC:

Publication info: **JP2003260443** - 2003-09-16

### 55 Method for efficient garbage collection based on object type

Inventor: SHUF YEFIM (US); GUPTA MANISH (US); (+1)

Applicant: IBM (US)

EC: G06F12/02D2G4

IPC: **G06F12/02; G06F12/02**; (IPC1-7): G06F12/00

Publication info: **US2002138506** - 2002-09-26

### 56 WEIGHT REDUCTION DATA PROCESSOR OF GARBAGE TREATMENT MACHINE, GARBAGE TREATMENT MACHINE AND GARBAGE TREATMENT SYSTEM EQUIPPED WITH THIS PROCESSOR AND WEIGHT REDUCTION DATA PROCESSING PROGRAM

Inventor: TAKISHITA YOSHIHIKO; OKUMURA SHINYA; (+1)

Applicant: HITACHI CONSTRUCTION MACHINERY

EC:

IPC: **G01D9/00; B09B3/00; B09B5/00** (+9)

Publication info: **JP2003220377** - 2003-08-05

### 57 Trace termination for on-the-fly garbage collection for weakly-consistent computer architecture

Inventor: KOLODNER ELLIOT K (IL); LEWIS ETHAN (IL); (+1)

Applicant: IBM (US)

EC: G06F11/34T; G06F12/02D2G4

IPC: **G06F11/34; G06F12/02; G06F11/34** (+2)

Publication info: **US2002120823** - 2002-08-29

### 58 Method and apparatus to facilitate testing of garbage collection implementations

Inventor: SEIDL MATTHEW L (US); WOLCZKO MARIO I (US)

Applicant:

EC: G06F12/02D2G

IPC: **G06F12/02; G06F11/34; G06F12/02** (+2)

Publication info: **US2003105777** - 2003-06-05

### 59 CONSERVATIVE GARBAGE COLLECTORS THAT CAN BE USED WITH GENERAL MEMORY ALLOCATORS

Inventor: RODRIGUEZ-RIVERA GUSTAVO (US); SPERTUS MICHAEL P (US); (+1)

Applicant: GEODESIC SYSTEMS INC (US); RODRIGUEZ RIVERA GUSTAVO (US); (+2)

EC: G06F12/02D2G

IPC: **G06F12/02; G06F12/02**; (IPC1-7): G06F12/00

Publication info: **WO0223345** - 2002-03-21

**60 METHODS AND APPARATUS FOR OPTIMIZING GARBAGE  
COLLECTION**

Inventor: WALLMAN DAVID

Applicant: SUN MICROSYSTEMS INC (US)

EC: G06F9/40; G06F9/42M; (+1)

IPC: **G06F9/40; G06F9/42; G06F12/02** (+3)

Publication info: **WO02054249** - 2002-07-11

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